

A34759
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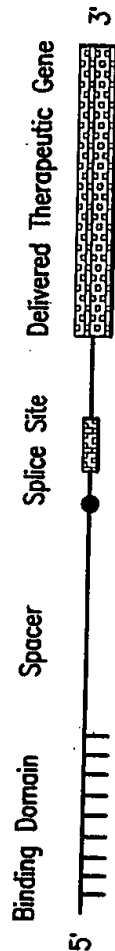


FIG.1A

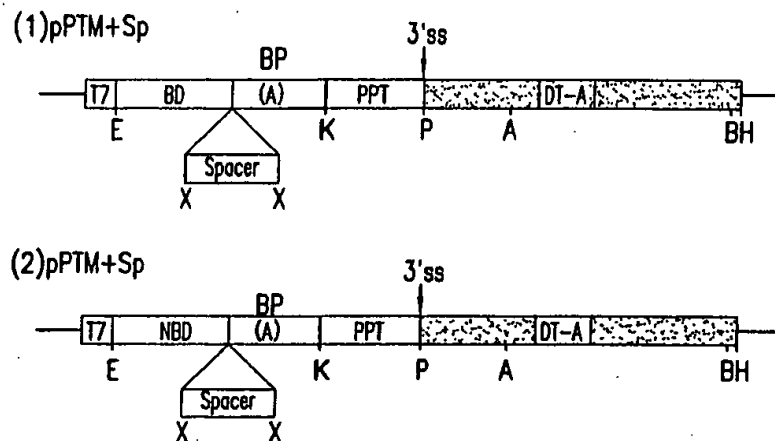


FIG.1B

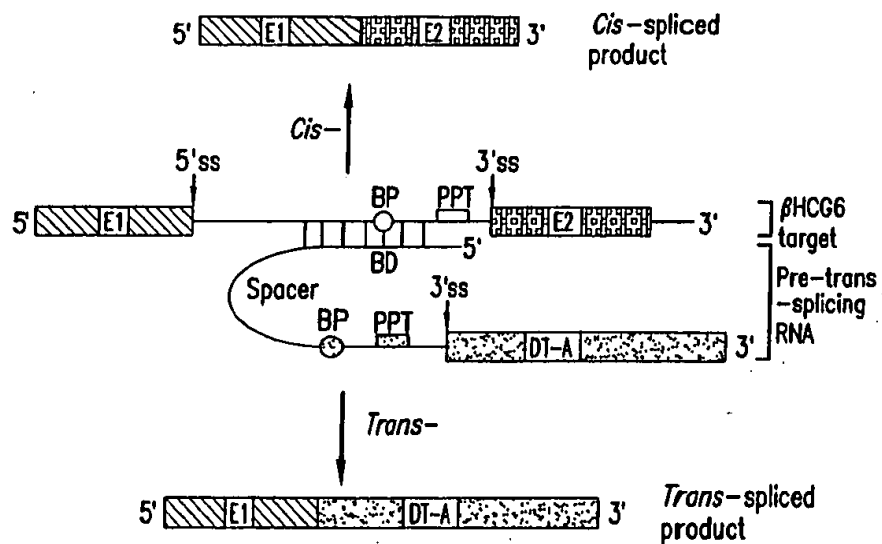


FIG.1C

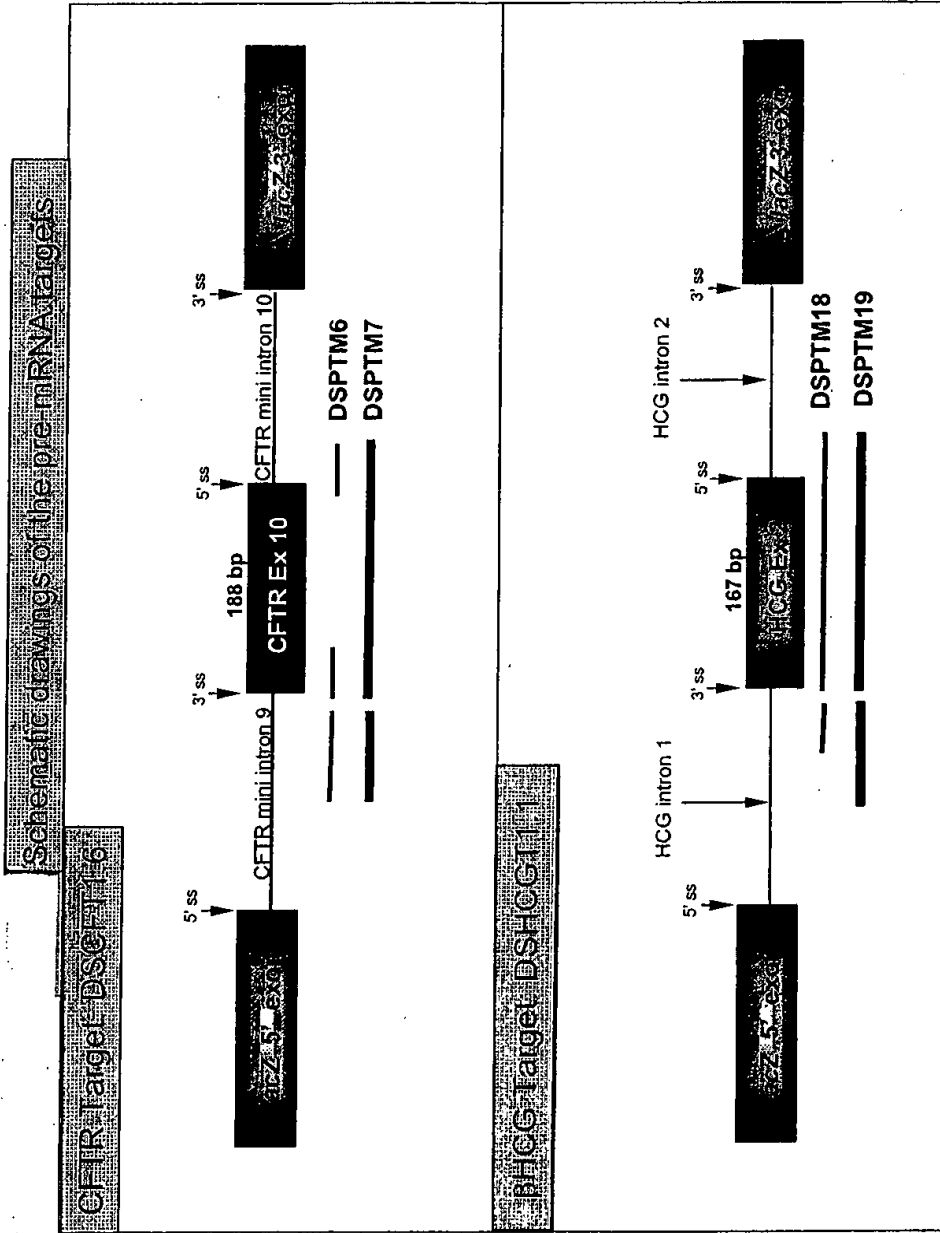


Figure 2

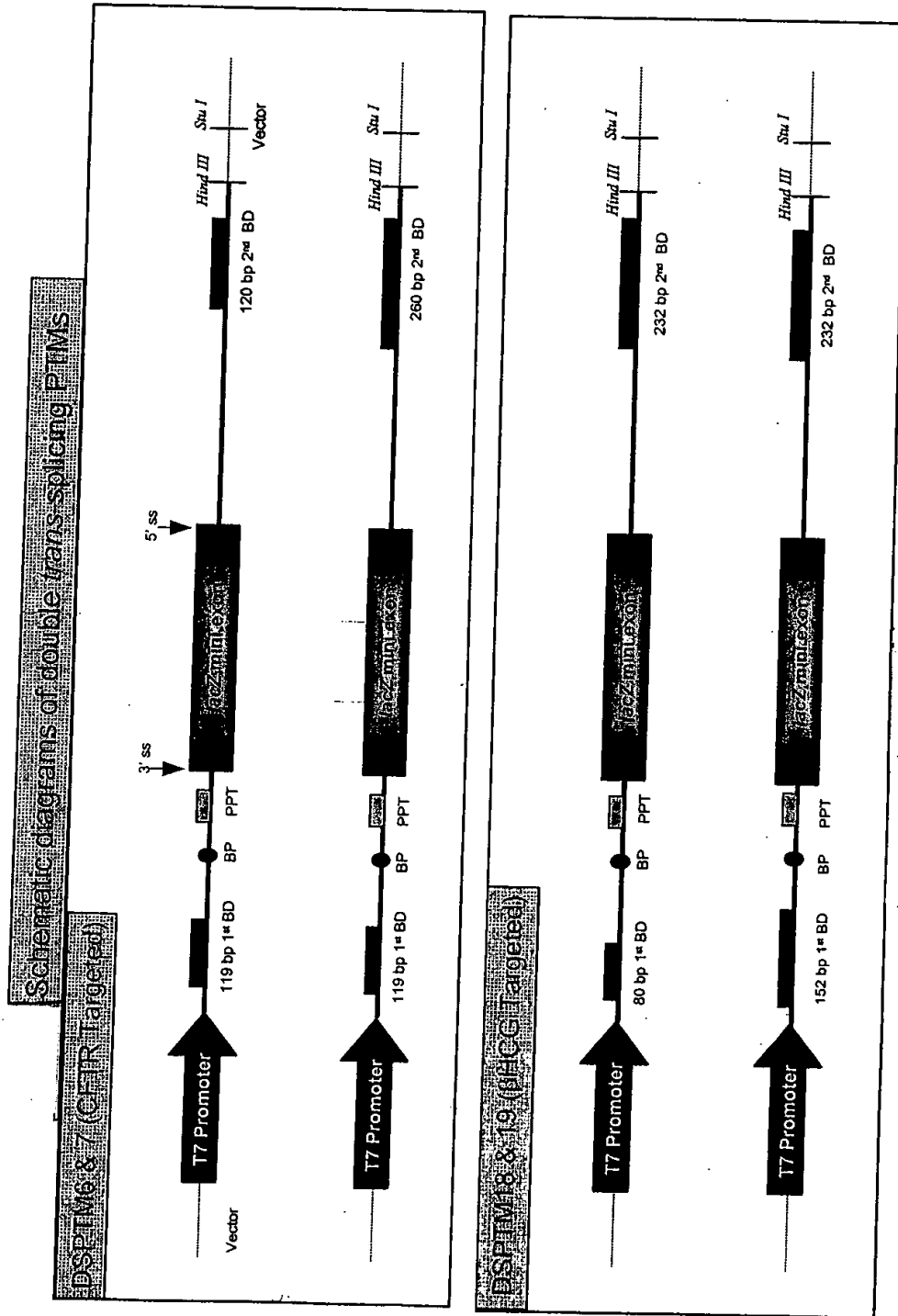


Figure 3

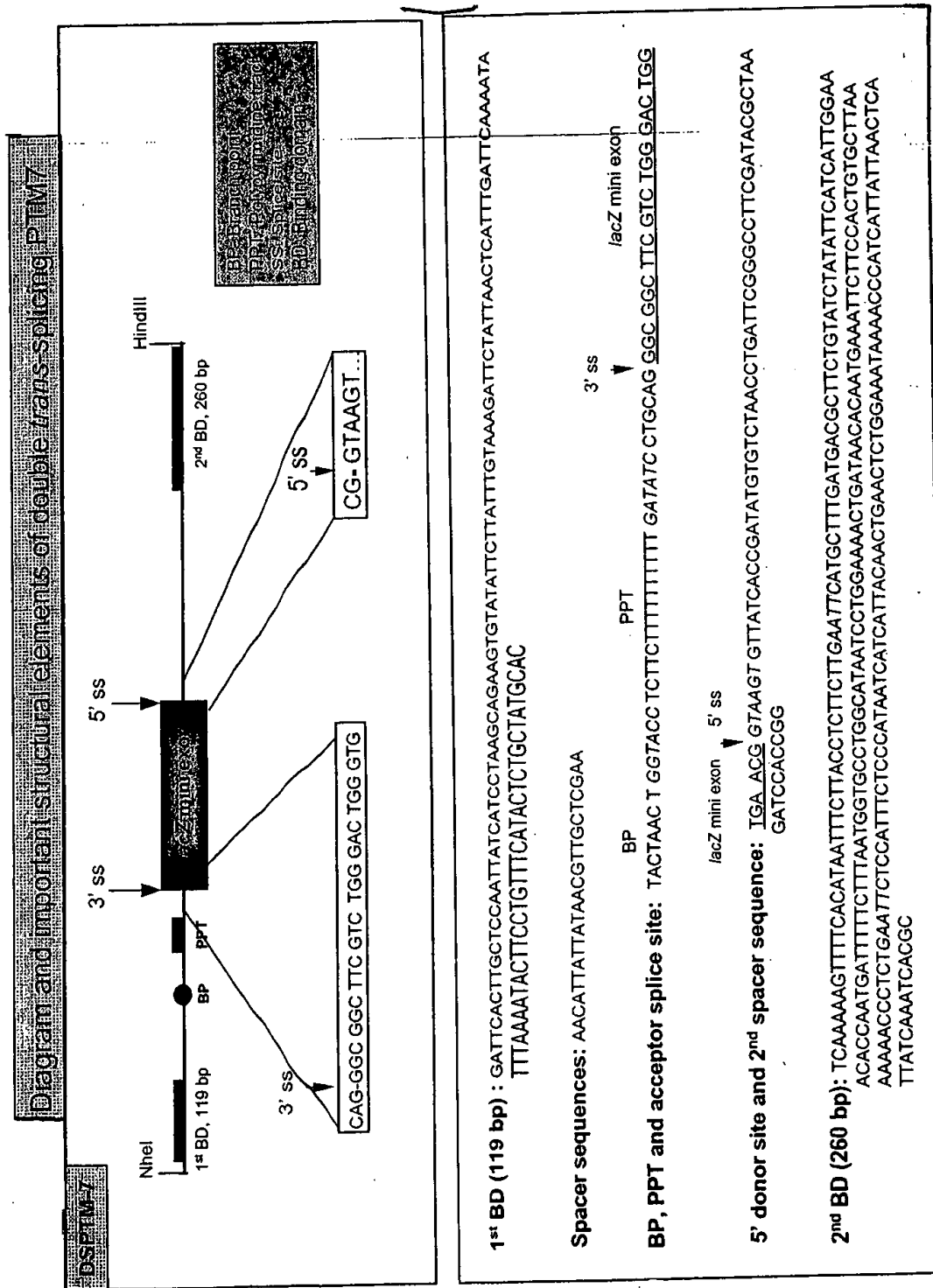
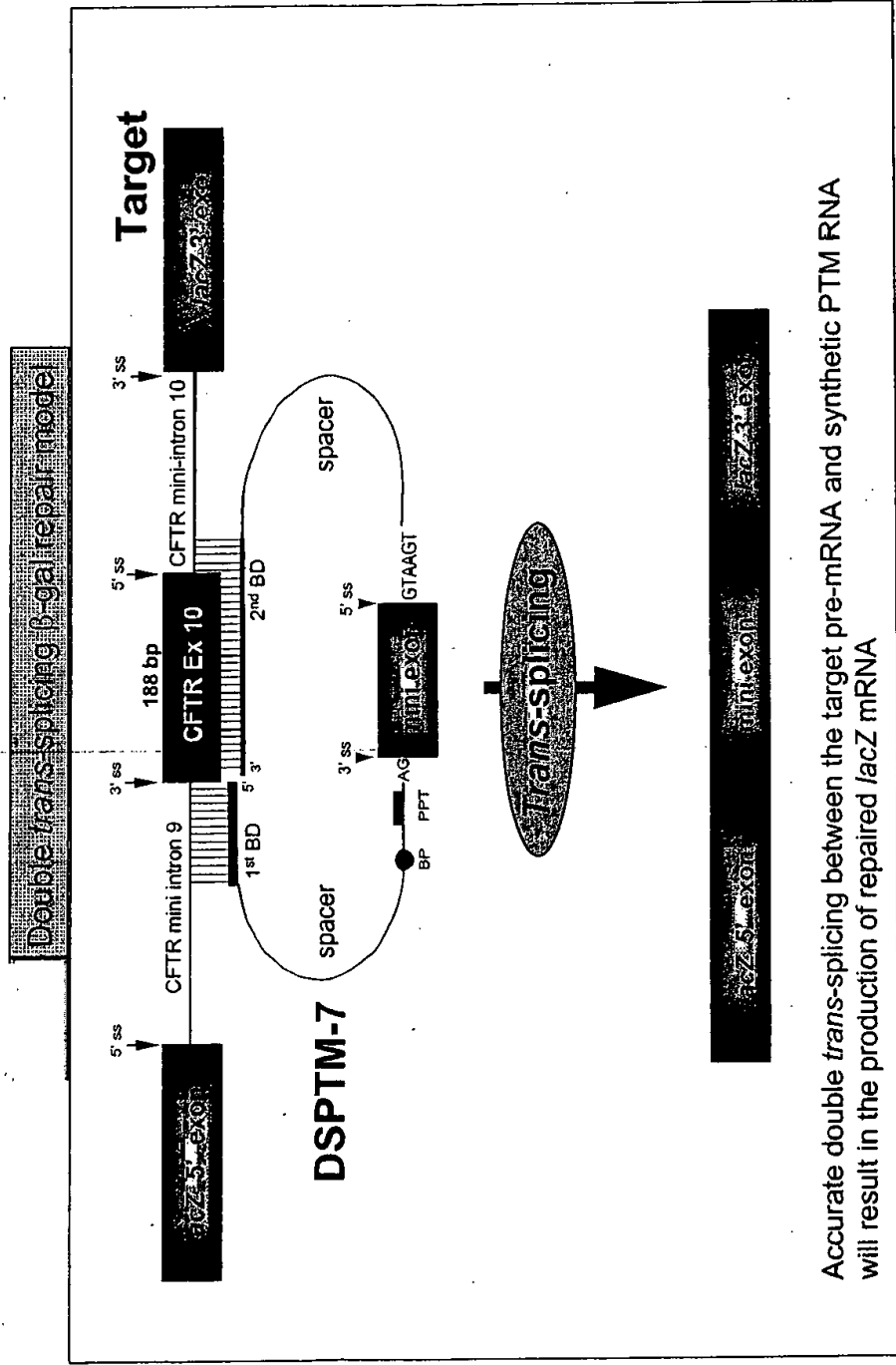


Figure 5



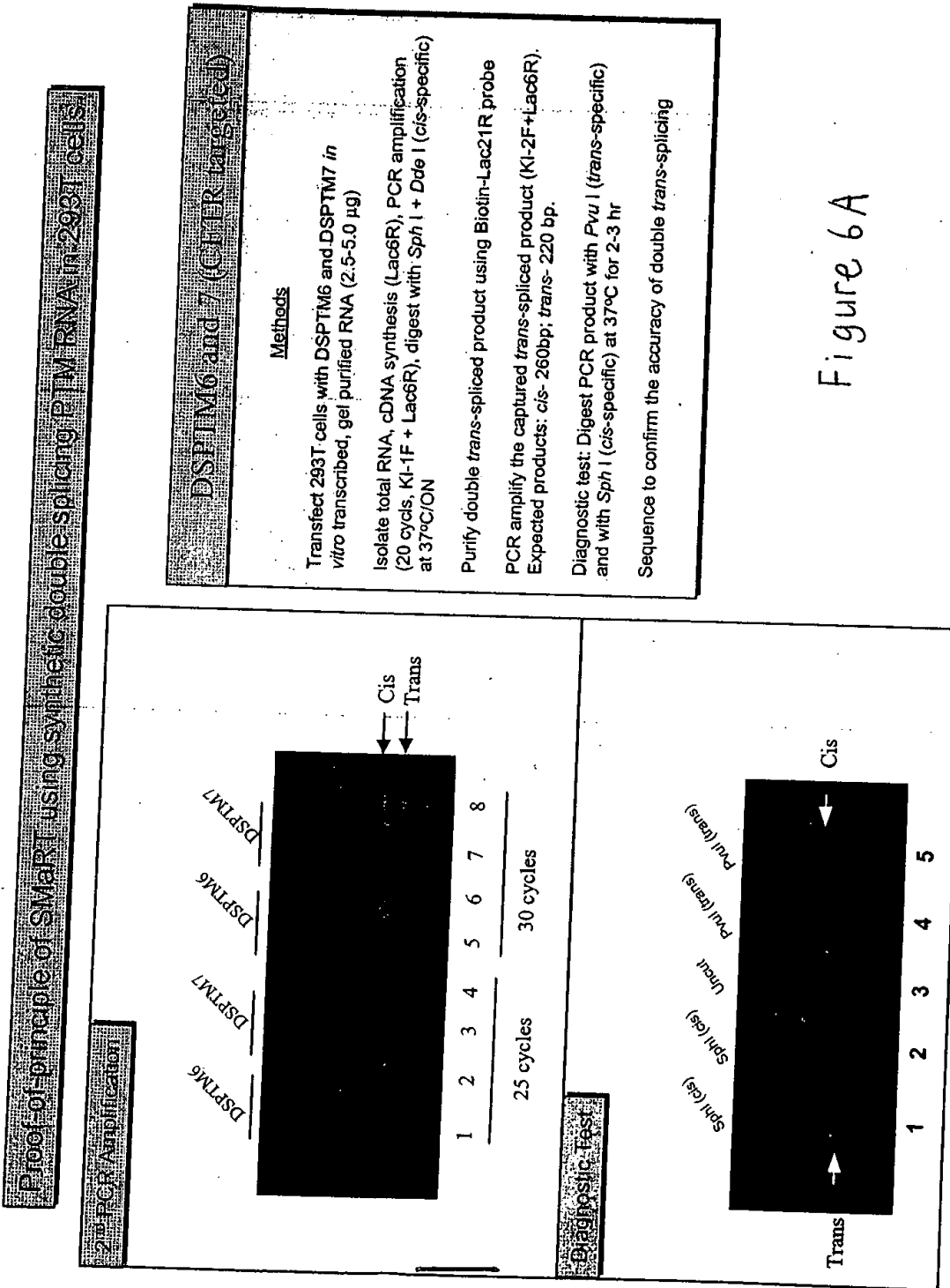


Figure 6A

Principle of SMART using synthetic double splicing P1M RNA in stable cells

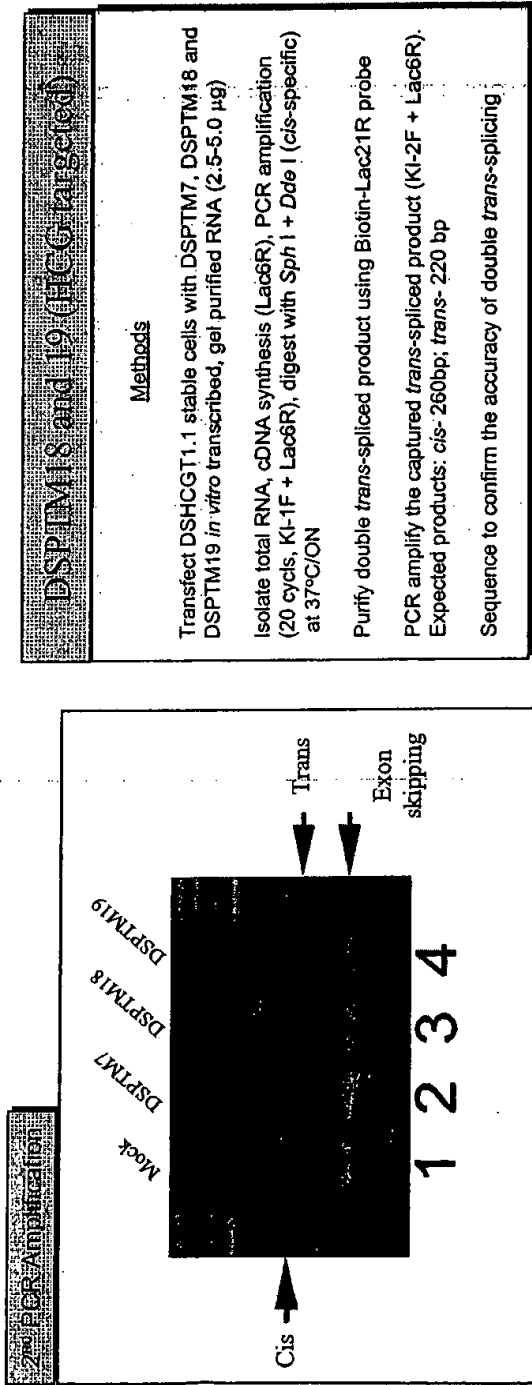
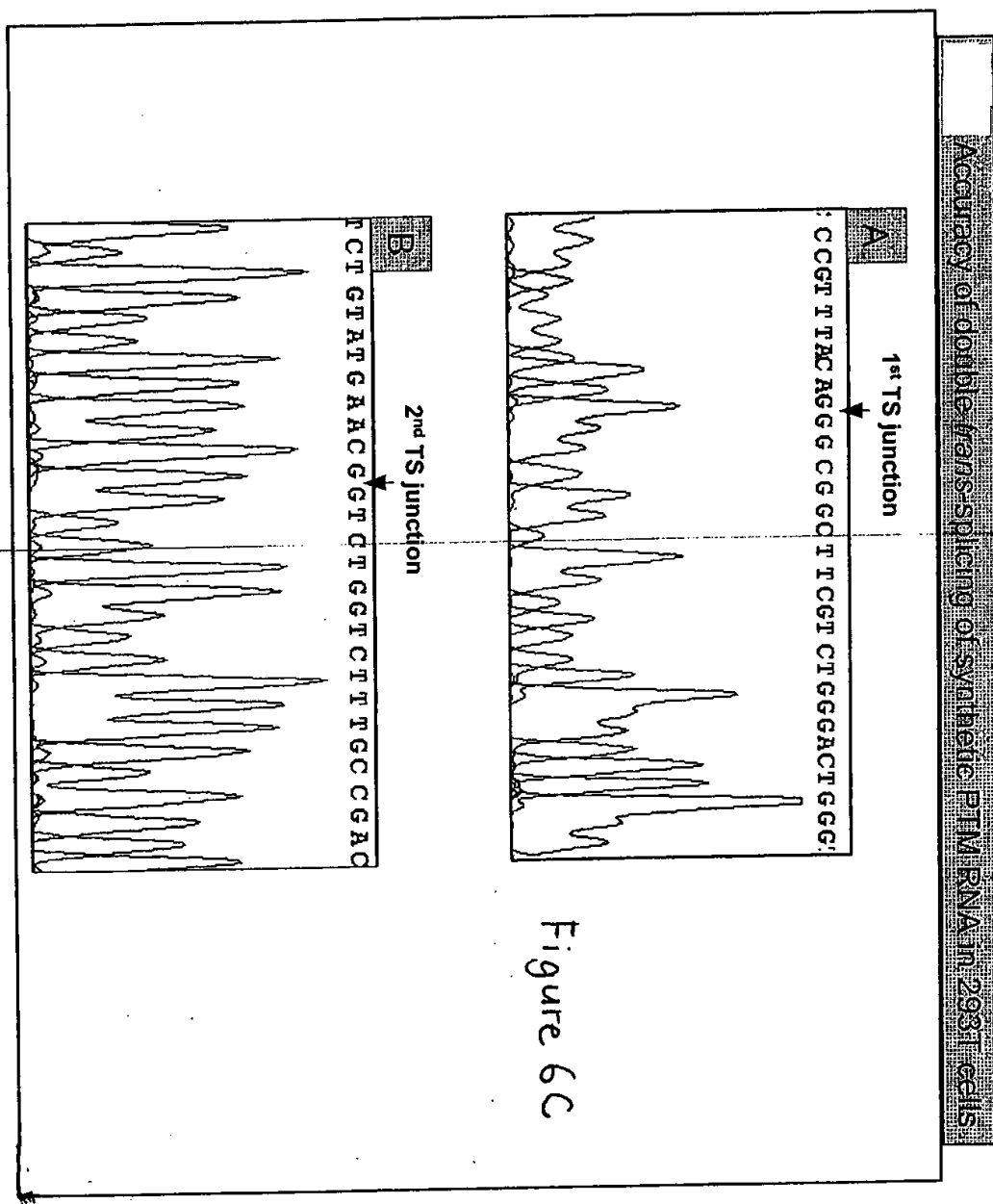
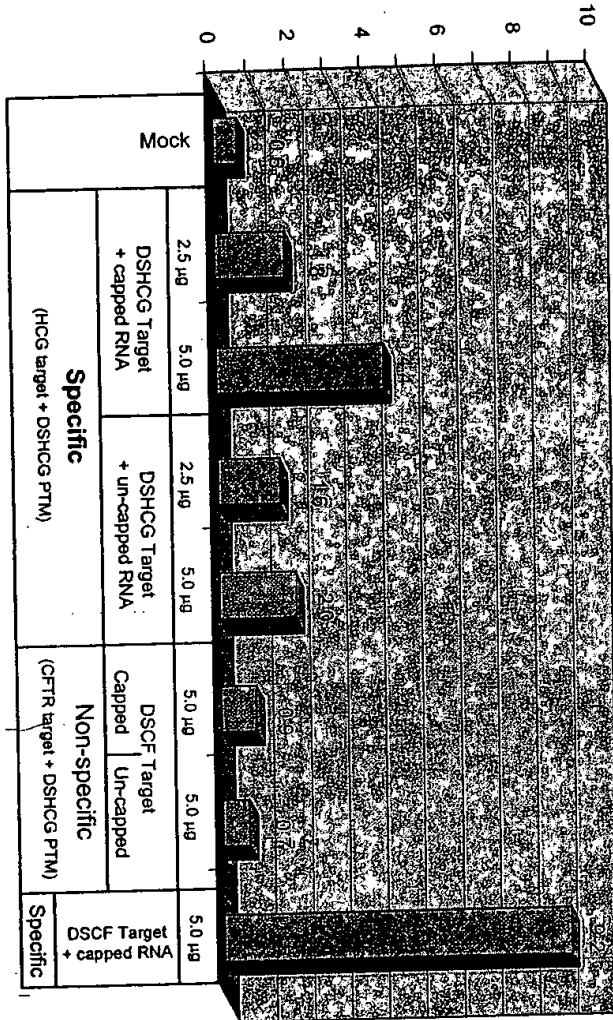


Figure 6B

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β -gal Activity (Units/mg of protein)



Restoration of β -gal function through RNA transfection in 293T cells
(Proof-of-concept for SMART RNA Therapeutics II)
Synthetic RNA, double trans-splicing

Methods

Transfect 293T cells
Harvest cells and media in
Prepare cell lysate
Assay for β -gal activity

Figure 7